

SPE RESPONSE FOR CERTIFICATE OF CORRECTION

DATE : 5/16/07 **Paper No.:** _____

TO SPE OF : Technology Center 3677 10/03/411

SUBJECT : Request for Certificate of Correction on Patent No.: 7189028 B1

A response is requested with respect to the accompanying request for a certificate of correction.

Please complete this form and return with file, within 7 days to:

Palm location 7580, Certificates of Correction Branch – South Tower – 9A22

If response is for an IFW, return to employee (named below) via PUBSCofC Team in MADRAS.

With respect to the change(s) requested, correcting Office and/or Applicant's errors, should the patent read as shown in the certificate of correction (COCIN)? No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Thank You For Your Assistance

Elisha Evans
Certificates of Correction Branch
Tel. No. 703-308-9390 EXT 110

The request for issuing the above-identified correction(s) is hereby:

Note your decision on the appropriate box.

☒ **Approved**

All changes apply.

☐ **Approved in Part**

Specify below which changes do not apply.

☐ **Denied**

State the reasons for denial below.

Comments:

fixing typing and punctuation errors. No new matter. KUM



SPE

3076

Art Unit

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,189,028
DATED : March 13, 2007
INVENTOR(S) : Teresio Signaroldi et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE SPECIFICATION:

Please amend the paragraph in column 2, lines 49-56 as follows:

The invention of particular relevance to the laying of a relatively rigid pipeline rather than, for example, a pipeline that is so flexible it can be curved into reels for storage. Preferably the resistance of the bearings to resilient displacement is more than 100 kN/m, and more preferably more than 500 kN/m. In an embodiment of the invention described below, the resistance to displacement is of the order of ~~[[500]]~~ 5000 kN/m in the case of certain higher sets of rollers and of the order of 1000 kN/m in the case of certain lower sets of rollers.

Please amend the paragraph in column 3, lines 1- 10 as follows:

As will be appreciated, the amount of bending introduced into the pipeline during its passage through the lower guide arrangement may be small. One purpose of introducing the bend is to enable the horizontal forces between the guide rollers and the pipeline to be distributed evenly between the set of rollers. In an embodiment of the invention described below, the amount of bending of the pipeline is of the order of 0.34 m per 10 m length of pipeline; in that embodiment the total force applied by the lower guide arrangement under normal conditions is about ~~[[100]]~~ 1000 kN.

Please amend claim 16 as follows:

16. A pipe-laying vessel for J-laying a pipe, the vessel comprising:

an upwardly extending tower assembly defining a path down which a pipe of a pipeline passes as the pipeline is being laid in a J-laying process by the vessel; and

a lower guide arrangement for guiding the pipeline after it has passed down the tower, the lower guide arrangement being substantially trumpet shape, flaring outwardly in the direction of travel of the pipeline during laying, and the lower guide arrangement including a plurality of sets of guide rollers spaced apart along the path of the pipeline and defining the lateral limits of the path, and each of the sets of guide rollers defines a respective set diameter and the set diameters increase nonlinearly in the direction of travel of the pipeline during laying the guide rollers being located such that the pipeline is less vertical as the pipeline passes through the lower guide arrangement than when the pipeline passes through the tower assembly upstream of the lower guide arrangement; and

means for monitoring forces applied to the pipeline by rollers of the lower guide arrangement.

MAILING ADDRESS OF SENDER:

PATENT NO. 7,189,028

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